Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/21/2021 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124491	-1	2.21	124404	2.23
Blue	F	SSC	125000	124844	-1	4.02	125221	4.04
Blue	E	FITC	14400	14121	-2	2.72	324	14.96
Blue	D	PE	24713	24431	-2	2.22	560	10.54
Blue	B	PerCP-Cy5-5	31796	30994	-3	3.49	1027	14.35
Blue	A	PE-Cy7	21240	21019	-2	5.63	560	28.22
Red	C	APC	41319	41069	-1	3.35	1715	11.16
Red	A	APC-Cy7	21019	20427	-3	3.61	764	11.22
Violet	B	V450	7305	7063	-4	3.90	439	12.33
Violet	A	V500	28652	27636	-4	3.47	695	9.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23084	2.09	560	-9	N/A	N/A	Pass
Blue	F	SSC	57935	2.34	517	5	N/A	N/A	Pass
Blue	E	FITC	59	52.95	490	-1	0.0474	99	Pass
Blue	D	PE	117	35.73	487	0	0.4458	304	Pass
Blue	B	PerCP-Cy5-5	191	35.14	581	-3	0.0208	68	Pass
Blue	A	PE-Cy7	112	65.68	628	-2	0.0237	0	Pass
Red	C	APC	398	22.91	574	1	0.0301	157	Pass
Red	A	APC-Cy7	171	27.15	543	-2	0.0073	1552	Pass
Violet	B	V450	61	60.31	455	-1	0.0591	2030	Pass
Violet	A	V500	100	32.43	468	-2	0.0283	746	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.61	-31.31	1.04
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.64	15.99 - 23.99	N/A	N/A	29.71	30.01	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15933

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments